

Anti-CD257 Antibody

Catalog # AP96084

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q9Y275
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	31223

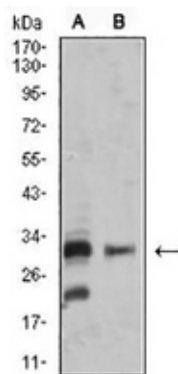
Additional Information

Gene ID	10673
Other Names	BAFF; BLYS; TALL1; TNFSF20; ZTNF4; Tumor necrosis factor ligand superfamily member 13B; B lymphocyte stimulator; BlyS; B-cell-activating factor; BAFF; DendritIC, cell-derived TNF-like molecule; TNF- and APOL-related leukocyte expressed ligand 1; TALL-1; CD257
Target/Specificity	Recombinant fusion protein of human CD257 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

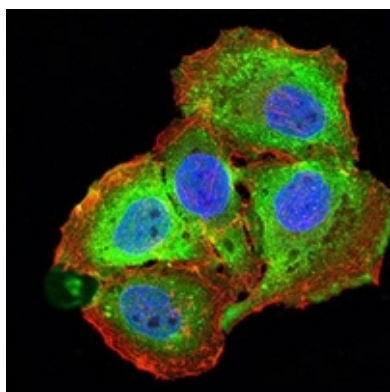
Protein Information

Name	TNFSF13B
Synonyms	BAFF, BLYS, TALL1, TNFSF20, ZTNF4
Function	Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13/APRIL binds to the same 2 receptors. Together, they form a 2 ligands -2 receptors pathway involved in the stimulation of B- and T- cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR/BR3) promotes the survival of mature B- cells and the B-cell response.
Cellular Location	Cell membrane; Single-pass type II membrane protein
Tissue Location	Abundantly expressed in peripheral blood Leukocytes and is specifically expressed in monocytes and macrophages. Also found in the spleen, lymph node, bone marrow, T-cells and dendritic cells. A lower expression seen in placenta, heart, lung, fetal liver, thymus, and pancreas. Isoform 2 is expressed in many myeloid cell lines

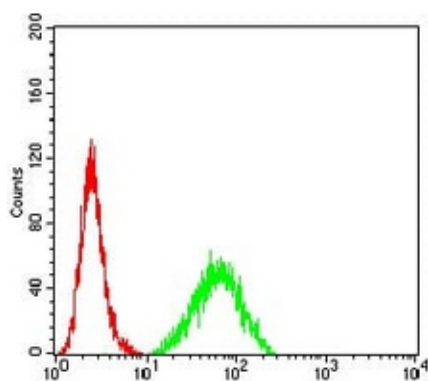
Images



Western blot analysis of CD257 expression in SKNSH (A), MOLT4 (B) whole cell lysates. (Predicted band size: 31 kD; Observed band size: 31 kD)



Immunofluorescent analysis of CD257 staining in SMMC7721 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-CD257 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.